

**TDMS No.** 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Reqstd:** 08/21/2007

**Time Report Reqstd:** 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

**Lab:** BAT

F\_1.Rev.1\_M3

**C Number:** C97003D

**Lock Date:** 01/31/2005

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**TDMSE Version:** 1.8.0

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**Species/Strain:** MICE/B6C3F1

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**Date Report Requested:** 08/21/2007

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M.. Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

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**Test Type: CHRONIC**

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\* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

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M., Missing tissue

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## Lab: BAT

**males**  
**(cont...)**

## GENERAL BODY SYSTEM

NONE

## **GENITAL SYSTEM**

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

#### A Autolysis precludes evaluation

**BLANK** Not examined microscopically

#### 1-1 Lesion qualified as:

1-4 .. Lesion qualified as:

1) Minimal      3) Moderate  
2) Mild          4) Marked

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**Species/Strain:** MICE/B6C3F1

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

		DAY ON TEST																				
		ANIMAL ID																				
<b>B6C3F1 MICE MALE</b>		0 MG/KG																				<b>males (cont...)</b>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	7	7	7	7	7	7	7	7	7	6	7	7	7	6	6	7	6	7	7	7		
3	3	1	3	3	3	3	3	0	3	1	3	3	3	1	7	3	6	3	3	3		
1	0	0	1	2	1	2	0	1	1	0	1	1	2	7	4	0	5	0	2	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1		
Infiltration Cellular, Mononuclear Cell		1	1	1	1					1		1		1	1		1	1		1	1	
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Mineralization																						
Germinal Epithelium, Atrophy																						

## **HEMATOPOIETIC SYSTEM**

\* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M., Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked



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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **RESPIRATORY SYSTEM**

## SPECIAL SENSES SYSTEM

\* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked

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**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

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## Lab: BAT

## Inflammation Epithelium, Hyperplasia

2

## **URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

#### 1-4 Lesion qualified as:

.. lesser qualified as:

2) Mild      4) Marked

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**Test Type:** CHRONIC

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**Species/Strain:** MICE/B6C3F1

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## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

1-4 ... Lesion qualified as:

1) Minimal      3) Moderate  
2) Mild            4) Marked

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

† .. Tissue examined microscopically

x ... Lesion present

X .. Eosin present  
I .. Insufficient tissue

M Missing tissue

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#### 1-4 Lesion qualified as:

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1) Minimal    3) Moderate  
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## Lab: BAT

	DAY ON TEST																				
<b>B6C3F1 MICE MALE 0 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
ANIMAL ID																					* TOTALS
Glands, Cyst																					1 1.0
Glands, Hyperplasia																					1 2.0
Tooth	+		+		+	+	+	+	+	+	+	+	+	+	+	+	+		+		31
Malformation	1		1		1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	2	29 1.4
Peridental Tissue, Inflammation																					7 1.7
Pulp, Inflammation																					2 1.5
															2						

## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M.. Missing tissue

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

† .. Tissue examined microscopically

x ... Lesion present

.. Essien present  
 .. Insufficient tissue

M Missing tissue

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1-4 Lesion qualified as:

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## Lab: BAT

## **HEMATOPOIETIC SYSTEM**

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

#### A Autolysis precludes evaluation

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#### 1-1 Lesion qualified as:

.. Lesion qualified as:

1) Minimal    3) Moderate  
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## Lab: BAT

## **INTEGUMENTARY SYSTEM**

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present  
 Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 Lesion qualified as:

.. Lesion qualified as:

1) Minimal    3) Moderate  
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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## RESPIRATORY SYSTEM

## SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lens, Degeneration																					1 3.0	
Retina, Atrophy																					2 4.0	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Mononuclear Cell		1	2	1	2	1	1		2	1	1	1	1	1	1	1	1	1	2	1	1	31 1.2

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## Lab: BAT

# **URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst										1							1			3 1.0
Infarct												2				2			2	4 1.8
Infiltration Cellular, Mononuclear Cell																			1 2.0	
Inflammation																		2	2 3.0	
Mineralization	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	44 1.0	
Nephropathy	2	2	2	1	1	1	1	1	1	2	2	1	1	1	2	3	2	1	1	48 1.5
Renal Tubule, Hyperplasia							1									1		1	12 1.0	
<hr/>																				
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Mononuclear Cell						1	1	1	1	1	2	1	1	1	1	1	1	2	1	22 1.2

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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x ... Lesion present

.. Lesion present  
 Insufficient tissue

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.. Lesion qualified as:

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\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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x .. Lesion present

.. Lesion present  
 Insufficient tissue

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1) Minimal    3) Moderate  
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## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

\* = Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

#### 1-4 Lesion qualified as:

14. Eosinophils qualified as:

1) Minimal      3) Moderate  
2) Mild          4) Marked



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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

B6C3F1 MICE MALE 0.6 MG/KG	ANIMAL ID	DAY ON TEST																				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	6	6	4	7	5	7	5	7	7	7	7	7	7	
		3	3	3	3	3	3	0	7	7	8	3	2	3	6	0	3	3	3	3	3	
		0	1	0	1	1	1	2	4	5	3	2	5	2	3	1	0	0	2	1	2	
.....																						
males (cont...)																						
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

## HEMATOPOIETIC SYSTEM

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

x .. Lesion present  
| Insufficient tissue

M Missing tissue

A Autolysis precludes evaluation

**BLANK** Not examined microscopically.

#### 1-4 Lesion qualified as:

1-4 .. Lesson qualified as:  
1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked





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† .. Tissue examined microscopically

x ... Lesion present

X .. Lesion present  
| .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

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#### 1-4 Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal    3) Moderate  
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## Lab: BAT

## CARDIOVASCULAR SYSTEM

# **ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cytoplasmic Alteration																				1 2.0
Hypertrophy							2	4	1	2	1		1		2	2				16 1.6
Vacuolization	Cytoplasmic																			1 1.0
Subcapsular, Hyperplasia	1	2	3	3	2	2	2		2	2	2	2	2	1	3	2	1	2	2	46 1.8
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	49
Hyperplasia								2							3					2 2.5
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	50
Hyperplasia	2		1	3		1		1	1	1	1		2	1		2	1	1	2	23 1.4
Parathyroid Gland	+	+	M	+	+	+	M	+	+	M	+	+	+	+	M	+	+	+	+	40
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst																	2			3 1.7

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

† .. Tissue examined microscopically

x ... Lesion present

| .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

BLANK - Not examined microscopically

#### 1-4 Lesion qualified as:

1-4 ... Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked



## HEMATOPOIETIC SYSTEM

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

| Insufficient tissue

M Missing tissue

M .. Missing tissue  
A Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 Lesion qualified as:

- .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **INTEGUMENTARY SYSTEM**

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

## RESPIRATORY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Requested: 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 4.0
Atrophy																						1	4.0
Lens, Degeneration																						1	3.0
Retina, Atrophy																						1	2.0
<hr/>																							
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 3.0
Fibrosis, Focal																						1	3.0
Infiltration Cellular, Mononuclear Cell	2	1		1		1		1		1		1		3	1	2	1	1		1		30	1.2
Epithelium, Hyperplasia																						3	1.0
<hr/>																							
Lacrimal Gland																+							1

# **URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M., Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

**Test Type: CHRONIC**

**Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

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**First Dose M/F:** 06/25/02 / 06/24/02

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\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M., Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

**TDMS No. 97003 - 08**

**Test Type: CHRONIC**

**Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal 3) Moderate  
2) Mild 4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Registered:** 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

	DAY ON TEST																	
B6C3F1 MICE MALE 2 MG/KG	ANIMAL ID																	
Hematopoietic Cell Proliferation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inflammation	7	7	6	7	7	7	7	6	7	7	7	7	7	4	7	7	7	6
Mixed Cell Focus	3	3	9	3	3	3	3	2	3	3	3	3	3	6	3	3	3	3
Necrosis	2	1	6	2	2	1	1	2	7	2	2	1	2	0	3	1	1	2
Tension Lipidosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mesentery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fat, Necrosis	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Mononuclear Cell	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Mononuclear Cell	1	1	1	2	2	2	2	2	2	2	1	2	1	2	2	2	1	1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Erosion	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Glands, Hyperplasia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tooth	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dysplasia	1	1	1	1	1	1	1	1	2	1	1	2	3	2	2	2	1	2
Malformation	1	1	1	1	1	1	1	1	2	1	1	2	3	2	2	2	1	2
Peridental Tissue, Inflammation	1	1	1	1	1	1	1	1	2	1	1	2	3	2	2	2	1	2

\* .. Total animals with tissue examined microscopically: Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked





TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Registered:** 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **HEMATOPOIETIC SYSTEM**

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

† .. Tissue examined microscopically

x ... Lesion present

X .. Lesion present  
| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

.. Lesion qualified as:

2) Mild      4) Marked





TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

.. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Registered:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A.. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

\* .. Total animals with tissue examined microscopically: Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Requested: 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

Thyroid Gland  
Infiltration Cellular, Mononuclear Cell  
Follicle, Cyst  
Follicular Cell, Hyperplasia

## GENERAL BODY SYSTEM

NONE

## **GENITAL SYSTEM**

Coagulating Gland  
Hyperplasia  
Inflammation

## Epididymis Granuloma Sperm Inflammation

## Preputial Gland Inflammation Duct, Ectasia

Prostate  
Infiltration Cellular, Mononuclear Cell  
Inflammation, Suppurative

+ + + + 50  
1 1.0  
2 3.0  
2 2.5

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

## **HEMATOPOIETIC SYSTEM**

\* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

± .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

#### 1-4 Lesion qualified as:

14. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked



TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## RESPIRATORY SYSTEM

## **SPECIAL SENSES SYSTEM**

\* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M.. Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

## **URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as

.. Eczema qualified as:

2) Mild      4) Marked

TDMS No. 97003 - 08

**Test Type: CHRONIC**

**Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

	DAY ON TEST																	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	7	7	5	7	7	7	6	7	7	7	7	7	7	7	7	5	7
	3	3	3	6	3	3	3	5	3	3	3	3	3	3	3	3	0	3
	4	1	2	8	2	1	2	9	2	0	2	1	1	1	2	1	2	1

  

<b>B6C3F1 MICE MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8

males  
(cont...)

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Registered:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

† .. Tissue examined microscopically

x ... Lesion present

X .. Essien present  
| .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

BLANK - Not examined microscopically

#### 1-4 Lesion qualified as:

1-4: Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

Tooth	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dysplasia																
Malformation	1		1	1	1	2	1	2	2	1	1	3	1	2	2	2
Peridental Tissue, Inflammation	2		2	2		3								2	2	2

## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

Parathyroid Gland + + M + M + + M + + + + + + + + + + + + + + M + + + + +

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

A Autolysis precludes evaluation

**BLANK** Not examined microscopically

#### 1-4 Lesion qualified as:

- .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Requested: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

## Coagulating Gland

## Epididymis Granuloma Sperm Inflammation

Preputial Gland  
Infiltration Cellular, Mononuclear Cell  
Inflammation  
Duct. Ectasia

Prostate  
Atrophy  
Infiltration Cellular, Mononuclear Cell

1  
7  
5      males  
(cont...)

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

**TDMS No. 97003 - 08**

**Test Type: CHRONIC**

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **HEMATOPOIETIC SYSTEM**

\* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked



TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## Mononuclear Cell

## Peripheral Nerve

+

## Spinal Cord Atrophy

2

# **RESPIRATORY SYSTEM**

## SPECIAL SENSES SYSTEM

\* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

† .. Tissue examined microscopically

x ... Lesion present

x .. Session present  
| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

#### 1-4 Lesion qualified as

1-4 ... Lesion qualified as:

1) Minimal 3) Moderate  
2) Mild 4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

Harderian Gland  
Infiltration Cellular, Mononuclear Cells  
Epithelium, Hyperplasia

$$\begin{array}{ccccccccccccccccccccccccc}
 + & + \\
 2 & 1 & & & & & & 1 & & 1 & & 1 & & 2 & & 1 & & + & & 1 & & 1 & & 2 & & 1 & & 1
 \end{array}$$

## **URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present  
 Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type: CHRONIC**

**Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Reqstd: 08/21/2007

Time Report Reqstd: 13:25:49

First Dose M/F: 06/25/02 / 06/24/02

Lab: BAT

B6C3F1 MICE MALE 6 MG/KG	ANIMAL ID	DAY ON TEST																								* TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	5	6	7	6	5	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7		
		3	0	5	3	8	0	3	3	3	3	3	3	3	0	3	3	1	3	3	3	3	3	3	3		
		0	1	8	2	3	5	2	1	1	1	2	1	4	2	0	5	1	0	1	0	2	1	2	1		
Hematopoietic Cell Proliferation																										1 1.0	
Inflammation		1						1	1	1															28 1.0		
Mixed Cell Focus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	
Necrosis		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Tension Lipidosis		7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
Mesentery																										2	
Fat, Necrosis																										1 3.0	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Mononuclear Cell																										6 1.2	
Vacuolization Cytoplasmic																										1 2.0	
Acinus, Atrophy																										1 2.0	
Duct, Cyst																										1 4.0	
																										4	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy		2	1	2	2	2		2	1	1	2	2	1	2	1	2	1	2	2	1	2	2	1	2	2	1	1 2.0
Infiltration Cellular, Mononuclear Cell																										40 1.8	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Squamous																										1 2.0	
Ulcer																										2 2.0	
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erosion																										1 2.0	
Mineralization																										1 2.0	
Glands, Cyst																										1 2.15	
Tongue		+																								1	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## CARDIOVASCULAR SYSTEM

# **ENDOCRINE SYSTEM**

Parathyroid Gland + + + + M M + + + + + + + M + + + + + + M + + + + M + + 41

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

#### A Autolysis precludes evaluation

**BLANK** Not examined microscopically

#### 1-4 Lesion qualified as:

1-4 .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Reqstd: 08/21/2007

Time Report Reqstd: 13:25:49

First Dose M/F: 06/25/02 / 06/24/02

Lab: BAT

B6C3F1 MICE MALE 6 MG/KG	ANIMAL ID	DAY ON TEST																								* TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	5	6	7	6	5	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	
		3	0	5	3	8	0	3	3	3	3	3	3	3	0	3	3	1	3	3	3	3	3	3	3	
		0	1	8	2	3	5	2	1	1	1	2	1	4	2	0	5	1	0	1	0	2	1	2	1	
Pituitary Gland Cyst		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	6 1.5
Thyroid Gland C-cell, Hyperplasia Follicular Cell, Hyperplasia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0 1 2.0
<b>GENERAL BODY SYSTEM</b>																										
NONE																										
<b>GENITAL SYSTEM</b>																										
Coagulating Gland																										
Epididymis																										
Granuloma Sperm																										
Inflammation																										
Preputial Gland																										
Infiltration Cellular, Mononuclear Cell																										
Inflammation																										
Duct, Ectasia																										
Prostate																										
Atrophy																										
Infiltration Cellular, Mononuclear Cell																										

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TDMS No. 97003 - 08

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

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1,2-Dibromo-2,4-dicyanobutane

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Lab: BAT

B6C3F1 MICE MALE 6 MG/KG	ANIMAL ID	DAY ON TEST																				* TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	5	6	7	6	5	7	7	7	7	7	7	5	7	7	7	7	7	7	7	
		3	0	5	3	8	0	3	3	3	3	3	3	0	3	3	1	3	3	3	3	
		0	1	8	2	3	5	2	1	1	1	2	1	4	2	0	5	1	0	1	0	2
Seminal Vesicle Atrophy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 3.0
Testes Mineralization		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1.0
Germinal Epithelium, Atrophy		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6 7 8 9 0 * TOTALS

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 3.0
Myelofibrosis																						3 2.0
Myeloid Cell, Hyperplasia																						
Lymph Node																						1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 3.0
Atrophy																						1 2.0
Hyperplasia, Lymphoid																						
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0
Atrophy																						1 2.0
Hemorrhage																						1 2.0
Hyperplasia, Lymphoid																						
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 13 2.5
Hematopoietic Cell Proliferation																						1 3.0
Hyperplasia, Histiocytic																						11 2.4
Hyperplasia, Lymphoid																						

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **INTEGUMENTARY SYSTEM**

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 Lesion qualified as:

.. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## Mononuclear Cell

## Peripheral Nerve

1

## Spinal Cord Atrophy

1 2.0

## RESPIRATORY SYSTEM

## SPECIAL SENSES SYSTEM

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X .. Essien present  
I .. Insufficient tissue

M Missing tissue

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1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

Harderian Gland  
Infiltration Cellular, Mononuclear Cell  
Epithelium, Hyperplasia

## **URINARY SYSTEM**

\*\*\* END OF MALE DATA \*\*\*

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

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.. Essien present  
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TDMS No. 97003 - 08

**Test Type: CHRONIC**

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**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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TDMS No. 97003 - 08

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**Species/Strain:** MICE/B6C3F1

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### 1,2-Dibromo-2,4-dicyanobutane

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TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

### Aniectasis

#### **Endometrium, Hyperplasia, Cystic**

4 3 3 3 3 4 3 4 3 1 2 4 4 3 2 3 3 3 3 4 4 1 3 4 1 4

## females (cont...)

## HEMATOPOIETIC SYSTEM

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

† Tissue examined microscopically

- ✗ Lesion present

.. Lesion present  
 Insufficient tissue

M Missing tissue

A Autolysis precludes evaluation

**BLANK** Not examined microscopically

#### 1-4 Lesion qualified as

1-4 .. Lesion qualified as:

1) Minimal      3) Moderate  
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TDMS No. 97003 - 08

**Test Type: CHRONIC**

**Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

	DAY ON TEST																			
<b>B6C3F1 MICE FEMALE 0 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	5	6	6	7	7	7	5	7	6	7	7	3	5
	3	3	3	3	2	2	2	3	6	3	0	2	2	3	6	3	9	2	1	8
	0	0	0	1	9	9	9	0	3	3	8	9	9	0	3	1	7	9	9	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	females (cont...)																			
Mineralization	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Nephropathy																				4
Renal Tubule, Hyperplasia																				2
Renal Tubule, Necrosis																				
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Mononuclear Cell	2	1	3	1	1	2	4	2	2	2	2	2	2	2	2	1	1	2	2	2

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

† .. Tissue examined microscopically

x ... Lesion present

.. Essien present  
 .. Insufficient tissue

M Missing tissue

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#### 1-4 Lesion qualified as:

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1) Minimal    3) Moderate  
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## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## CARDIOVASCULAR SYSTEM

# **ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic Cell Proliferation																					2 2.0
Hypertrophy																					2 2.0
Inflammation																					1 2.0
Capsule, Necrosis, Fatty																					1 2.0
Subcapsular, Hyperplasia	3	3	3	2	2	3	3	2	2	2	2	2	2	2	3	2	3	3	2	3	50 2.5
Zona Fasciculata, Hyperplasia																					2 1.5
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																					1 2.0
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																					4 1.3
Parathyroid Gland	+	+	+	+	+	M	+	+	M	+	+	+	+	M	+	M	+	M	+	M	38

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

A Autolysis precludes evaluation

**BLANK** Not examined microscopically

#### 1-1 Lesion qualified as:

1-4 .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

#### A Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

## **HEMATOPOIETIC SYSTEM**

\* = Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

#### 1-4 Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal      3) Moderate  
2) Mild          4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **INTEGUMENTARY SYSTEM**

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

## RESPIRATORY SYSTEM

\* .. Total animals with tissue examined microscopically: Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

X .. Essien present  
| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

#### 1-4 Lesion qualified as:

.. Lessen qualified as:

2) Mild      4) Marked



TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

† .. Tissue examined microscopically

x ... Lesion present

X .. Lesion present  
| .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

BLANK - Not examined microscopically

#### 1-4 Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Registered:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

† .. Tissue examined microscopically

x ... Lesion present

.. Essien present  
 .. Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

BLANK - Not examined microscopically

#### 1-4 Lesion qualified as

1-4: Lesion qualified as:

1) Minimal 3) Moderate  
2) Mild 4) Marked

TDMS No. 97003 - 08

**Test Type: CHRONIC**

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## Peridontal Tissue, Inflammation

## CARDIOVASCULAR SYSTEM

# **ENDOCRINE SYSTEM**

\* = Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

#### 1-4 Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal 3) Moderate  
2) Mild 4) Marked



TDMS No. 97003 - 08

**Test Type: CHRONIC**

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **HEMATOPOIETIC SYSTEM**

\* = Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

#### 1-4 Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

Hyperplasia, Atypical  
Hyperplasia, Lymphoid

2

## INTEGUMENTARY SYSTEM

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M., Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

#### 1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

# **RESPIRATORY SYSTEM**

## **SPECIAL SENSES SYSTEM**

## **URINARY SYSTEM**

\* = Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

† .. Tissue examined microscopically

x ... Lesion present

X .. Essien present  
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#### 1-4 Lesion qualified as

1-4: Lesion qualified as:

1) Minimal 3) Moderate  
2) Mild 4) Marked



TDMS No. 97003 - 08

**Test Type:** CHRONIC

#### **Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Registered:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

# ALIMENTARY SYSTEM

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Reqstd: 08/21/2007

Time Report Reqstd: 13:25:49

First Dose M/F: 06/25/02 / 06/24/02

Lab: BAT

B6C3F1 MICE FEMALE 0.6 MG/KG	ANIMAL ID	DAY ON TEST																								* TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6	7	7	7	7	7	7	6	7	7	7	7	7	7	6	7	7	6	4	7	7	6	7	7	
		9	3	3	2	2	3	3	9	3	2	2	2	3	3	2	1	5	3	3	6	8	2	3	8	2
		7	0	0	9	9	0	1	5	0	9	9	9	0	0	9	5	5	1	1	0	7	9	0	2	9
Fibrosis																										1 3.0
Hematopoietic Cell Proliferation																										3 1.0
Inflammation		1	1	1	1	1	X	1	1	1	X	2	1	1	1	X	X	1	2	1	1	1	X	1	1 1.2	
Mixed Cell Focus																										10
Necrosis																										2 2.0
Pigmentation																										4 1.5
Tension Lipidosis																										2
Mesentery																										+ + 9
Fat, Necrosis																										3 3.0
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst																										2 3.0
Infiltration Cellular, Mononuclear Cell																										15 1.1
Inflammation																										3 1.7
Acinus, Atrophy																										3 3.3
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Mononuclear Cell		1	1	1	1	1	1	1	2	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	32 1.3	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erosion																										2 2.0
Glands, Cyst																										5 1.0
Glands, Hyperplasia																										2 1 2.0
Tooth																										+ 4
Malformation																										1 3 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

## Peridental Tissue. Inflammation

2

12.0

## CARDIOVASCULAR SYSTEM

# **ENDOCRINE SYSTEM**

\* = Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M Missing tissue

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#### 1-4 Lesion qualified as:

.. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked



TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Requested: 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **HEMATOPOIETIC SYSTEM**

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

† .. Tissue examined microscopically

x ... Lesion present

X .. Essien present  
| .. Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

1-4 Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal      3) Moderate  
2) Mild          4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **INTEGUMENTARY SYSTEM**

49
.....
50
9 1.4
1 1.5
1 3.0

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M Missing tissue

A - Autolysis precludes evaluation

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#### 1-4 Lesion qualified as:

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TDMS No. 97003 - 08

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**Species/Strain:** MICE/B6C3F1

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### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **RESPIRATORY SYSTEM**

## **SPECIAL SENSES SYSTEM**

## **URINARY SYSTEM**

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

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**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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1) Minimal    3) Moderate  
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**Species/Strain:** MICE/B6C3F1

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**Date Report Requested:** 08/21/2007

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**First Dose M/F:** 06/25/02 / 06/24/02

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2) Mild      4) Marked

TDMS No. 97003 - 08

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Reqstd: 08/21/2007

Time Report Reqstd: 13:25:49

First Dose M/F: 06/25/02 / 06/24/02

Lab: BAT

B6C3F1 MICE FEMALE 2 MG/KG	ANIMAL ID	DAY ON TEST																								females (cont...)		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2				
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
Infiltration Cellular, Lymphocyte		2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Inflammation		X																										
Mixed Cell Focus																												
Necrosis			1	2		1																						
Pigmentation		1																										
Tension Lipidosis																												
Vacuolization Cytoplasmic																												
Mesentery																												
Fat, Necrosis																												
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Infiltration Cellular, Mononuclear Cell			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Infiltration Cellular, Mononuclear Cell			1	2																								
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Mineralization																												
Glands, Cyst																												
Tooth																												
Malformation																												
Peridental Tissue, Inflammation																												

## CARDIOVASCULAR SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



TDMS No. 97003 - 08

**Test Type: CHRONIC**

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Requested:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

## **HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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2) Mild      4) Marked

TDMS No. 97003 - 08

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Reqstd: 08/21/2007

Time Report Reqstd: 13:25:49

First Dose M/F: 06/25/02 / 06/24/02

Lab: BAT

B6C3F1 MICE FEMALE 2 MG/KG	ANIMAL ID	DAY ON TEST																								females (cont...)	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	6	5	7	6	7	7	5	7	7	5	7	7	7	5	6	7	6	6	6	7	7		
		1	2	3	3	9	3	7	2	3	3	8	2	3	6	2	2	2	8	8	3	6	7	6	2	3	
		6	9	1	4	2	0	5	9	1	0	9	8	0	1	8	9	9	9	0	0	3	3	6	9	1	
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Angiectasis																											
Atrophy, Focal																											
Myelofibrosis		1	1																								1
Lymph Node		+																									
Iliac, Ectasia																											
Lumbar, Ectasia																											
Renal, Ectasia		3																									
Lymph Node, Mandibular		+																									
Atrophy																											
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia, Lymphoid																											
Hyperplasia, Plasma Cell		2																									
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hematopoietic Cell Proliferation																											
Hyperplasia, Lymphoid		3																									
Pigmentation																											
Lymphoid Follicle, Atrophy																											
Red Pulp, Atrophy		2																									
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+		
Atrophy																											
Hyperplasia, Lymphoid		4																									

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Registered:** 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## SPECIAL SENSES SYSTEM

## **URINARY SYSTEM**

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## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

.. Lesion present  
 Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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1) Minimal    3) Moderate  
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TDMS No. 97003 - 08

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**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

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**First Dose M/F:** 06/25/02 / 06/24/02

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1) Minimal 3) Moderate

2) Mild      4) Marked



TDMS No. 97003 - 08

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Reqstd: 08/21/2007

Time Report Reqstd: 13:25:49

First Dose M/F: 06/25/02 / 06/24/02

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	7	7	7	7	5	7	7	7	7	6	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7
2	3	3	2	2	0	3	3	2	3	3	9	2	3	4	1	3	3	1	3	2	2	2	3	2	2	3	2
6	1	0	1	9	6	0	1	9	0	0	7	9	0	4	0	0	1	5	0	9	9	9	9	1	9	9	9
<b>B6C3F1 MICE FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>2 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* TOTALS	

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation																										2 1.0
Duct, Cyst																										1 1.0
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Angiectasis																										3 2.7
Cyst																										19 1.9
Hemorrhage																										1 2.0
Thrombosis																										2 3.0
Oviduct																										1
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thrombosis																										1 2.0
Endometrium, Hyperplasia, Cystic	3	3	2	4	2	2	2	2	2	2	1	2	3	3	3	4	2	3	3	3	4	3	3	3	48 2.7	
Vagina																										3

## HEMATOPOIETIC SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## INTEGUMENTARY SYSTEM

Mammary Gland Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0	
.....																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	30	1.3	
Site Of Application - Dermis, Inflammation, Chronic Active					1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
Site Of Application - Epidermis, Hyperplasia		1	1		1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	3	37	1.2
Site Of Application - Epidermis, Ulcer																						2	2	2.5	

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

## **RESPIRATORY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

.. Essien present  
 .. Insufficient tissue

M Missing tissue

A.. Autolysis precludes evaluation

BLANK - Not examined microscopically

#### 1-4 Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked

TDMS No. 97003 - 08

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Type:** CHRONIC

#### **Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

### 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

**Date Report Requested:** 08/21/2007

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **SPECIAL SENSES SYSTEM**

Eye Optic Nerve, Degeneration	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0
Harderian Gland Infiltration Cellular, Mononuclear Cell Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	36	1.2

## **URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M.. Missing tissue

#### A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

.. Eczema qualified as:

2) Mild      4) Marked

TDMS No. 97003 - 08

**Test Type: CHRONIC**

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked

**TDMS No. 97003 - 08**

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**Species/Strain:** MICE/B6C3F1

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild      4) Marked



TDMS No. 97003 - 08

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## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Reqstd: 08/21/2007

Time Report Reqstd: 13:25:49

First Dose M/F: 06/25/02 / 06/24/02

Lab: BAT

B6C3F1 MICE FEMALE 6 MG/KG	ANIMAL ID	DAY ON TEST																								females (cont...)	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	7	6	7	7	6	7	7	6	7	7	7	7	7	5	7	7	6	7	7	7	7		
		3	2	3	2	1	2	3	2	3	2	7	7	3	3	3	3	2	2	7	2	3	2	3	2		
		0	9	0	9	8	9	0	7	0	9	5	5	0	0	1	1	9	9	8	9	0	7	0	9	0	
Blood Vessel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		1	1																								
Infiltration Cellular, Mononuclear Cell																											
Inflammation																											
Thrombosis																											

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation																											
Hypertrophy																											
Inflammation																											
Vacuolization Cytoplasmic	2	2	3	2	2	3	3	3	2	2	2	2	2	3	3	3	3	2	3	3	2	2	3	2	2	2	
Subcapsular, Hyperplasia																											
Zona Fasciculata, Hyperplasia																											
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																											
Vacuolization Cytoplasmic																											
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																											
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Cyst																											
Inflammation, Chronic Active																											

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



TDMS No. 97003 - 08

**Test Type:** CHRONIC

#### **Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

**Date Report Registered:** 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## HEMATOPOIETIC SYSTEM

Bone Marrow  
Atrophy, Focal  
Myelofibrosis  
Myeloid Cell, Hyperplasia

- Lymph Node
  - Hyperplasia, Plasma Cell
  - Lumbar, Congestion
  - Lumbar, Hyperplasia, Histiocytic
  - Mediastinal, Congestion
  - Mediastinal, Hyperplasia, Histiocytic

+

## Lymph Node, Mandibular Hyperplasia, Lymphoid

Lymph Node, Mesenteric  
Congestion, Chronic  
Hyperplasia, Histiocytic  
Hyperplasia, Lymphoid  
Hyperplasia, Plasma Cell

Spleen  
Hematopoietic Cell Proliferation  
Hyperplasia, Lymphoid  
Pigmentation  
Lymphoid Follicle, Atrophy

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M .. Missing tissue

A - Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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1) Minimal    3) Moderate  
2) Mild        4) Marked



TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Requested: 08/21/2007

Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **NERVOUS SYSTEM**

Brain Hemorrhage Neuron, Necrosis

## **RESPIRATORY SYSTEM**

## SPECIAL SENSES SYSTEM

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

A Autolysis precludes evaluation

**BLANK** Not examined microscopically

#### 1-4 Lesion qualified as

1-4 .. Lesion qualified as:

1) Minimal    3) Moderate  
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TDMS No. 97003 - 08

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**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

Date Report Requested: 08/21/2007

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## Infiltration Cellular, Mononuclear Cells Epithelium, Hyperplasia

## **females (cont...)**

## **URINARY SYSTEM**

Kidney Degeneration	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	
Infarct																						2	
Metaplasia, Osseous																						2	
Mineralization																							
Nephropathy	1	1		1				1		1		1		1		1		1		1		1	
<hr/>																							
Urinary Bladder Infiltration Cellular, Mononuclear Cell	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	
	2	2		1	2	1	1		1	1	2	2	1	2	1	1	2	1	1	2	2	1	1

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| Insufficient tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

#### **Route: SKIN APPLICATION**

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Registered: 08/21/2007

Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **ALIMENTARY SYSTEM**

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M .. Missing tissue

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1-4 .. Lesion qualified as:

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2) Mild      4) Marked

TDMS No. 97003 - 08

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Reqstd: 08/21/2007

Time Report Reqstd: 13:25:49

First Dose M/F: 06/25/02 / 06/24/02

Lab: BAT

B6C3F1 MICE FEMALE 6 MG/KG	ANIMAL ID	DAY ON TEST																				* TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		6	7	7	7	7	7	7	7	6	7	7	7	5	7	6	7	4	7	7	7	5	
		7	2	3	0	3	3	3	2	3	5	3	2	3	9	3	2	3	9	2	3	7	
		4	9	0	1	1	0	0	9	0	4	0	9	1	6	0	8	0	4	9	0	9	2
Pigmentation																						1 1.0	
Tension Lipidosis																						6	
Mesentery		+	+		+																	10	
Fat, Necrosis		3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Mononuclear Cell		1	2																				24 1.3
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Mononuclear Cell		2	1		1	2	1	2	1														36 1.5
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperkeratosis																						2 2.5	
Hyperplasia, Squamous																						2 2.0	
Inflammation																						2 2.0	
Ulcer																						2 2.0	
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erosion																						1 2.0	
Mineralization																						1 2.0	
Glands, Cyst																						5 1.0	
Tooth																						1	
Malformation																						1 1.0	

## CARDIOVASCULAR SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

# **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A .. Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked



TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2	2.0
Atrophy, Focal																						27	1.4
Myelofibrosis					1	2	1	1	2	2	2	1	2	1	1	2						4	2.0
Myeloid Cell, Hyperplasia										2											2		
<hr/>																							
Lymph Node	+			+								+									4		
Hyperplasia, Plasma Cell																					1	3.0	
Lumbar, Congestion													2								1	2.0	
Lumbar, Hyperplasia, Histiocytic													2								1	2.0	
Mediastinal, Congestion													3								1	3.0	
Mediastinal, Hyperplasia, Histiocytic													2								1	2.0	
<hr/>																							
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	5	2.4
Hyperplasia, Lymphoid									2	2	2												
<hr/>																							
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	3.0
Congestion, Chronic																					1	2.0	
Hyperplasia, Histiocytic														2							2	2.0	
Hyperplasia, Lymphoid													2								2	2.0	
Hyperplasia, Plasma Cell																					2	2.0	
<hr/>																							
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	22	2.5
Hematopoietic Cell Proliferation					2	2	2	2	2	2	2	3										16	2.3
Hyperplasia, Lymphoid									2	3		2	2	2								6	1.2
Pigmentation												1										1	2.0
Lymphoid Follicle, Atrophy																				2			

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

**CAS Number:** 35691-65-7

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Time Report Requested: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **INTEGUMENTARY SYSTEM**

## MUSCULOSKELETAL SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present  
 Insufficient tissue

M.. Missing tissue

A - Autolysis precludes evaluation

**BLANK** Not examined microscopically

1-4 .. Lesion qualified as:

+ .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

**Species/Strain:** MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

### 1,2-Dibromo-2,4-dicyanobutane

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Time Report Registered: 13:25:49

**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **NERVOUS SYSTEM**

## RESPIRATORY SYSTEM

## SPECIAL SENSES SYSTEM

\* Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

#### A Autolysis precludes evaluation

**BLANK** Not examined microscopically

#### 1-4 Lesion qualified as:

1-4 .. Lesion qualified as:

1) Minimal    3) Moderate  
2) Mild        4) Marked

TDMS No. 97003 - 08

**Test Type:** CHRONIC

**Route:** SKIN APPLICATION

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### 1,2-Dibromo-2,4-dicyanobutane

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**First Dose M/F:** 06/25/02 / 06/24/02

## Lab: BAT

## **URINARY SYSTEM**

\*\*\* END OF REPORT \*\*\*

\* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade.

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

.. lesser qualified as:

2) Mild      4) Marked